



DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE

IN REPLYING, ADDRESS THE

October 21, 1955

Communicable Disease Center
Enteric Bacteriology Laboratories
P. O. Box 185
Chamblee, Georgia

Dr. J. Lederberg
Department of Genetics
University of Wisconsin
Madison 6, Wisconsin

Dear Dr. Lederberg:

Under separate cover I am sending you a culture of *S. typhi* murium which produces so little H_2S that it neither blackens triple sugar iron agar nor discolors lead acetate papers suspended over peptone water. In our experience this is most unusual and I thought you might be able to use a culture with a marker of this sort. The organism was recovered as a variant by students from a stool artificially infected with a supposedly normal culture of *S. typhi* murium for class work. About $1/3$ to $1/4$ of the colony isolates were H_2S negative. I hope this may be of some use to you.

With kindest regards to you and Esther, I am

For the Officer-in-Charge, Bacteriology Section

Sincerely yours,

Phil

Philip R. Edwards, Ph. D.
Bacteriologist-in-Charge
Enteric Bacteriology Unit

*Better check stability of this character
I also have a *S. oranienburg* with
restricted growth vigor whose biochemical
properties are really fouled up. Want it?*